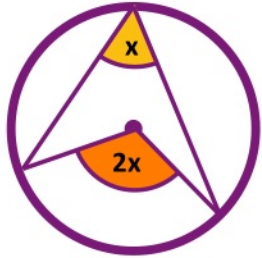
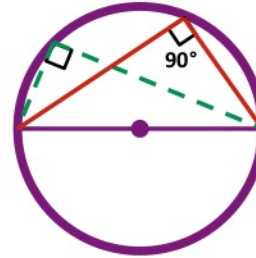


# CIRCLE THEOREMS

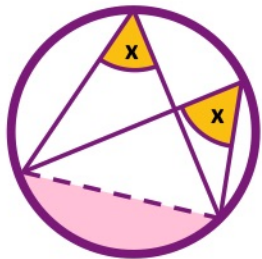
## ANGLE RELATIONSHIPS WITHIN CIRCLES



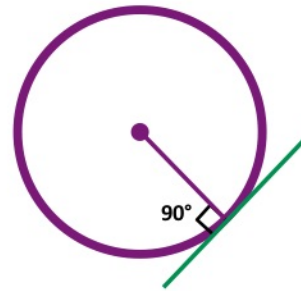
The angle at the centre is twice the angle at the circumference



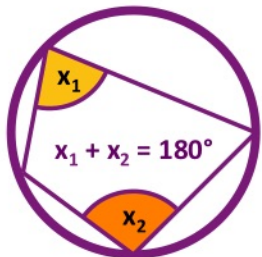
The angle from a diameter is  $90^\circ$



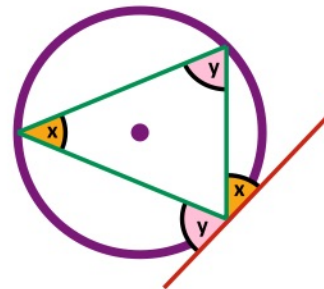
Angles in the same segment are equal



The angle between a tangent and a radius is  $90^\circ$



Opposite angles in a cyclic quadrilateral add to  $180^\circ$



The angle between a tangent and a chord is equal to the angle in the alternate segment